

-> b reg
 FILE 'REGISTRY' ENTERED AT 16:36:21 ON 28 NOV 2007
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STRUCTURE FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

DICTIONARY FILE UPDATES: 27 NOV 2007 HIGHEST RN 956075-61-9

New CAS Information Use Policies, enter HELP USAGETERMS for details.

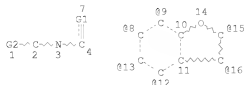
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
 predicted properties as well as tags indicating availability of
 experimental property data in the original document. For information
 on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndec/properties.html>

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 L12 STR



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 DEFAULT ECLEVEL IS LIMITED

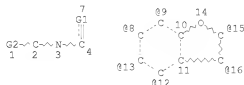
GRAPH ATTRIBUTES:
 RING(S) ARE ISOLATED OR EMBEDDED
 NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
 L14 4856 SEA FILE-REGISTRY SSS FUL L12

100.0% PROCESSED 241811 ITERATIONS
 SEARCH TIME: 00.00.02

4856 ANSWERS

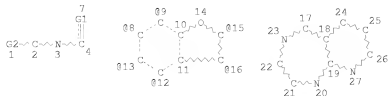
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GRAPH ATTRIBUTES:
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NUMBER OF NODES IS 14

STEREO ATTRIBUTES: NONE
L14 4856 SEA FILE=REGISTRY SSS FUL L12
L21 STR



VAR G1=O/S
VAR G2=8/9/12/13/15/16
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DEFAULT ELEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS 25

STEREO ATTRIBUTES: NONE
L23 42 SEA FILE=REGISTRY SUB=L14 SSS FUL L21

100.0% PROCESSED 43 ITERATIONS 42 ANSWERS
SEARCH TIME: 00.00.01

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FILE 'HCAPIUS' ENTERED AT 16:36:32 ON 28 NOV 2007
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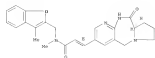
FILE COVERS 1907 - 28 Nov 2007 VOL 147 ISS 23
FILE LAST UPDATED: 27 Nov 2007 (20071127/ED)

New CAS Information Use Policies, enter HELP USAGETERMS for details.

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d bib abs hitstr L27 tot

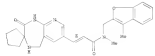
127 ANSWER 1 OF 5 HONOLULU COPYRIGHT 2017 ACS on STM (Continued)



● HCl

8F4951-13-1 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (13-1), (26) - (CA INDEX NAME)

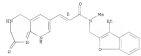
Double bond geometry as shown.



● HCl

8F4951-14-0 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (14-0), (26) - (CA INDEX NAME)

Double bond geometry as shown.

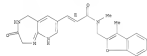


● HCl

8F4951-14-4 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (14-4), (26) - (CA INDEX NAME)

Double bond geometry as shown.

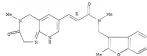
127 ANSWER 2 OF 5 HONOLULU COPYRIGHT 2017 ACS on STM (Continued)



● HCl

8F4952-21-5 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (21-5), (26) - (CA INDEX NAME)

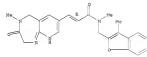
Double bond geometry as shown.



● HCl

8F4952-21-8 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (21-8), (26) - (CA INDEX NAME)

Double bond geometry as shown.

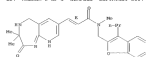


● HCl

8F4952-21-9 HONOLULU
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Double bond geometry as shown.

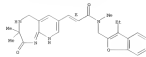
127 ANSWER 3 OF 5 HONOLULU COPYRIGHT 2017 ACS on STM (Continued)



● HCl

8F4952-16-2 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (16-2), (26) - (CA INDEX NAME)

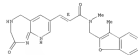
Double bond geometry as shown.



● HCl

8F4952-16-1 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (16-1), (26) - (CA INDEX NAME)

Double bond geometry as shown.



● HCl

8F4952-16-6 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (16-6), (26) - (CA INDEX NAME)

Double bond geometry as shown.



● HCl

8F4953-12-3 HONOLULU
 CN 2-Phenylamino, N-methyl-N-((2-methyl-3-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3-methyl-2-oxo-1H-pyridin-3-yl)-1,4-diazepin-7-yl)-1H-benzotriazole (12-3), (26) - (CA INDEX NAME)

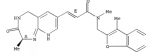
CN 1

CN# 81483-82-2

CN# C12 H14 N4 O3

Absolute stereochemistry.

Double bond geometry as shown.



CN 2

CN# 74-05-1

CN# C1 H F2 O2

F

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F

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F

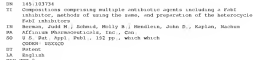
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F

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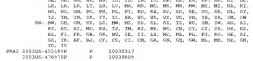
127 ADVANCE 3 OF 5 MICHAEL GOODMAN COPYRIGHT 2007 ACS OR ITS



PATENT NO. _____

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	WO2006082596	A2	20060930	2006003-1801261	20060310
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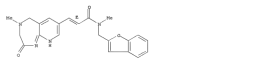


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280400-1801261

OS HAFSAT 145-102734
GE



127 ANSWER 2 OF 5: BODMAS. COPYRIGHT 1987 ACS on 5TH (Continued)

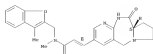
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● PAGE

DOI 10.1002/for



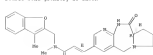
127 ANSWER 3 OF 5 HCPHUS COPYRIGHT 2007 ACS ON STM (066126660)



● **NCI**

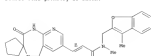
CS 2-Propenamide, 3-[[[8a]-7,8,9,12,10,11-hexahydro-10-oxo-5H-pyrrolo[2,3-b]pyrrolo[1,2-a:1',4'-diazepan-3-yl]-8-methyl-8-[[13-methyl-13-hydroxymethyl)methyl]-, hydrochloride (1:1), (2H) (CA INCHI NAME)

Absolute stereochemistry	Rotation (-)
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3	3
4	4
5	5
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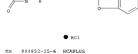


CS 2-Propenamide, 8-methyl-8-[(3-methyl-2-benzofuran-1-yl)methyl]-3-(1',2',4'-tetrahydro-2'-oxospiro[cyclopentane-1,3']-[N]pyrido[2,3-e][1,4]diazepine-5-carboxamido)-2-methyl-2-oxo-1-phenylethyl-1-oxo-1-phenylethyl-

1'-yl)-, hydrochloride (1)



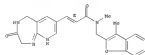
EN 894851-80-0 NCAPLUS
EN 2-Propenamide, N-[[3-ethyl-2-benzofuran-5-yl)methyl]-N-methyl-3-(3,3,4,4-tetrahydro-2H-pyrido[2,3-a)-1,4-diazepin-7-yl]-, hydrochloride

$$[C_1, C_2] = [C_2, C_3] = [C_3, C_4] = [C_4, C_5] = 0$$
CC(C)=CC1=CC=C(C=C1)C2=CC=CC=C2

● HCl

CS 2-Propenamide, N-methyl-N-((3-methyl-2-benzofuranylmethyl)-3-(2,3,4,4-tetrahydro-3-oxo-1H-pyridine-2,3a)-1,6-diazepin-7-yl)-, hydrochloride (1:1), (SR) (CA INDEX NAME)

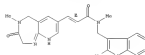
Double bond geometry as shown.



● HCL

2-Propenamide, N-methyl-N-[(2-methyl-3-benzofuranyl)methyl]-3-(2,3,4,5-tetrahydro-4-methyl-3-oxo-3H-pyrido[2,3-b]-1,4-diazepin-7-yl)-, hydrochloride (1:1). (Z)- (CA INDEX NAME)

Scale load geometry as shown.



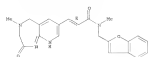
● HCL

SM R44952-25-9 HCAPL001
CS 2-Propenamide, N-methyl-N-((2-methyl-2-benzofuranyl)methyl)-3-(2,3,4,5-tetrahydro-4-methyl-3-oxo-1H-pyridin-2-yl)-1,6-diazepin-7-yl-, hydrochloride (1:1), (2E)- (CA INDEX NAME)

Double bond geometry as shown:

10: ANDREW S CH 5 HCPHUGS COPYRIGHT 2017 ACS ON ETH (Continued)
 ON 2-Propenamide, N-[2-benzofuran-1-ylmethyl]-N-methyl-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyridin-2-yl)-1,4-diazepin-7-yl-, monohydrochloride,
 (2R)- (SALT) (CA INDEX NAME)

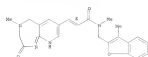
Double bond geometry as shown.



● **UNIT 1**

258 724651-10-9 HCAPL10
CDS 2-Propenamide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-(2,3,4,5-
tetraazapiperidin-2-methyl)-2-oxo-10-pyridino[2,3-b:1',4'-diazepin-3-yl]-,
nonafluorooctylamide, (2R)- (2S)- (3S)- (3A, 3BXX NAME)

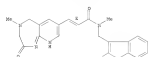
Double load geometry as shown.



● **WPI**

R05 709651-53-6 ECAPLES
 C05 2-Propenamide, N-methyl-N-[(2-methyl-3-hydroxy-4-oxo-1,4-dihydro-2H-pyridin-2-yl)-3-(2,3,4,5-tetrahydro-4-methyl-2-oxo-1H-pyridin-2-yl)-1,4-diazepin-7-yl]-, nonahydrochloride, (2R)-(2R) (CA INCH NAME)

Double bond geometry as shown.

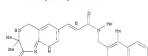


● HCL

CS 2-Propanesulfonamide, N-methyl-N-[(2-methyl-2-benzofuran-5-ylmethyl)-3-(2,3,4,5-

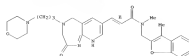
127 ANSWER 5 OF 5 INCAPLUS COPYRIGHT 2017 ACS on STN (Continued)

(CR INDEX NAME)



127 ANDERSON S OF S INCORPUS COPYRIGHT 2007 ACS 00 3TH (C04L19440)
tetrahydro-4-[3-(4-morpholinyl)propyl]-2-oxo-1H-pyrido[2,3-e]-[1,4-diazepin-
3-yl]-, monohydrochloride, (2E)- (9CI) (C6 INEX NAME)

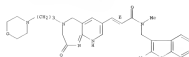
(Sample bond geometry as shown)



● 857

CS 2-Propenamide, N-methyl-N-[(1-methyl-3-benzofuran-2-ylmethyl)-3-[2,3,4,5-tetrahydro-4-[3-(4-morpholinyl)propyl]-2-oxo-1H-pyridin-3-yl]-1,4-dioxepan-2-yl], monohydrochloride, (2K) (1CI) (CA INDEX NAME)

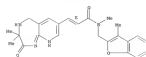
Double bond geometry as shown.



● 852

RX 719452-77-7 HCAPLAS
 CR 2-Propenamide, N-methyl-N-(1-(3-methyl-2-benzofuran-2-ylmethyl)-3-(2,3,4,5-tetrahydro-3,3-dimethyl-2-oxo-1H-pyridin-2,3-o-1,4-diazepin-6-yl))-hydrochloride (1:1). (2E)- (CA INDEX NAME)

Double bond geometry as shown.



● HCL

EN 729652-79-9 HCAPLUS
CS 2-Propenamide, N-methyl-N-[(3-methyl-2-benzofuranyl)methyl]-3-[(2,3,4,5-tetrahydro-3,5-dimethyl-2-oxo-1H-pyrido[2,3-e]-1,4-diazepin-3-yl)-, (2R)

```
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CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)


FILE 'USPATOLD' ENTERED AT 16:37:09 ON 28 NOV 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 16:37:09 ON 28 NOV 2007
CA INDEXING COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)

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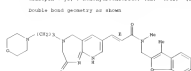

129 ANDREWS, J. W. 2. HAWTHORNE, OR. SITE (Continued)

129 ANDROS 2 OF 2 SHREVEILL ON RTR (Continued)





tetrahydro-4-[2-(4-morpholinyl)-
diarylmethyl]-1-morpholinyl



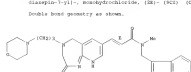
●

● SCI

EN 719451-85-4 UNSATFULL

CS 2-Propanamide, N-methyl-N-[(2-methyl-2-benzoxuranylmethyl)-1,2,3,4,5-

tetrahydro-4-(13-(14-morpholinyl)



●

REF 719452-77-7 UNSPAITULL

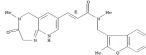
Propenamide, N-ethyl-N-[1(3-oxo-1,4-dihydro-2,3-dimethyl-2-oxo-



—

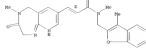
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129 ANSWER 2 OF 2 UNPUBLISHED OR NOT (DECLASSIFIED)



● **INC1**

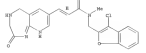
C8 2-Propenamide, N-methyl-N-[(3-methyl-2-benzofuranylmethyl)]-3-(2,3,4,5-tetrahydro-4-methyl-1-oxo-1H-pyridine[2,3-b:1',4'-diazepine-7-yl]), hydrochloride (3:1), (1R)- (CA 10065 899E)



● 5071

2-Propenamide, N-[[3-chloro-2-benzofuran-1-yl)methyl]-N-methyl-3-(2,3,4,5-tetrahydro-2-mo-1H-pyrido[2,3-b]-1,4-diazepin-7-yl)-, monohydrochloride. (2E)- (5CI) (CA INDEX NAME)

double bond geometry as shown.



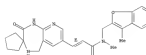
● **NOTES**

CS 2-Propenamide, N-methyl-N-(3-methyl-2-benzofuranylmethyl)-3-(2,3,4,5-tetrahydro-2H-pyridin-2-yl)-1H-pyridine-2,3-bis(1,4-diazepin-7-yl)-, hydrochloride (111), [2X] (CA INDEX NAME)

Double bond geometry as shown.

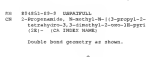


129 ANSWER 2 OF 2 GSDATFILL.cm STS (Continued)



USPATENT

Double bond geometry as shown.



✓



TABLE 2

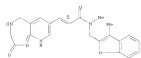
Double bond geometry as shown:

DB 201611-00-1 UNREVIEWED

CS 2-Propenamide, N-methyl-N-((3-methyl-2-benzofuranylmethyl)-3-(2,3,4,5-tetrahydro-2H-pyridin[2,3-b]4,5-diazepin-7-yl))-, (E)-; (CA, INTER-
NAH)

L14 ANSWER 3 (P. 1) USPTO/POL. ON STE (DOWLEAD)

Double bond geometry is shown.



-> d his

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(FILE 'HOME' ENTERED AT 15:53:37 ON 28 NOV 2007)
FILE 'HCAPLUS' ENTERED AT 15:53:47 ON 28 NOV 2007
L1      1 US20060183908/PN
FILE 'REGISTRY' ENTERED AT 15:53:52 ON 28 NOV 2007
FILE 'HCAPLUS' ENTERED AT 15:53:52 ON 28 NOV 2007
L2      TRA L1 1- RN :      4/8 TERMS
FILE 'REGISTRY' ENTERED AT 15:53:52 ON 28 NOV 2007
L3      478 SEA L2
L4      18 L3 AND OC4-C6/ES
L5      7 L4 AND NC5-NC2NC3/ES
L6      35 C24H26N4O3 AND OC4-C6/ES
L7      3 L6 AND NC5-NC2NC3/ES
L8      SEL RN 2-3
        2 E1-2 AND L7
FILE 'HCAPLUS' ENTERED AT 16:03:24 ON 28 NOV 2007
L9      4 L8
FILE 'REGISTRY' ENTERED AT 16:16:06 ON 28 NOV 2007
L10     5 L5 NOT L8
FILE 'HCAPLUS' ENTERED AT 16:16:24 ON 28 NOV 2007
L11     3 L10
FILE 'REGISTRY' ENTERED AT 16:17:11 ON 28 NOV 2007
L12     STR
L13     39 L12
L14     4856 L12 FULL
        SAV TEM J747C1/A L14
L15     35 L14 AND NC5-NC2NC3/ES
L16     7 L15 AND L3
FILE 'HCAPLUS' ENTERED AT 16:24:39 ON 28 NOV 2007
L17     5 L15
L18     4 L17 AND L9,L11
L19     1 L17 NOT L18
FILE 'REGISTRY' ENTERED AT 16:27:30 ON 28 NOV 2007
L20     316 L14 AND NRRS>=3
L21     STR L12
L22     3 L21 SAM SUB=L14
L23     42 L21 FULL SUB=L14
        SAV TEM L23 J747C1N/A
FILE 'HCAPLUS' ENTERED AT 16:31:53 ON 28 NOV 2007
L24     5 L23
L25     4 L24 AND L9,L11
L26     1 L24 NOT L25
L27     5 L9,L11,L17-19,L24-26
FILE 'HCAOLD' ENTERED AT 16:33:45 ON 28 NOV 2007
L28     0 L23
FILE 'USPATFULL, USPATOLD, USPAT2' ENTERED AT 16:34:42 ON 28 NOV 2007
L29     2 L23
FILE 'BIOSIS' ENTERED AT 16:35:42 ON 28 NOV 2007
L30     0 L23
FILE 'EMBASE' ENTERED AT 16:35:54 ON 28 NOV 2007
L31     0 L23
FILE 'MEDLINE' ENTERED AT 16:36:01 ON 28 NOV 2007

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L32 0 L23

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